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POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS INDICATION FORM**

Application Number		10/777,732		
Filing Date		February 12, 2004		
First Named Inventor		Brent Gilbert		
Title	MANAGI	GING GRAPHIC DATABASES		
Art Unit		N/A		
Examiner Name		Not Yet Assigned		
Attorney Docket No.		418268834US		

	Actincy boenet No. 1102000100								
	I hereby appoint:								
	x Practitioners associated with the Customer Number 25096								
	OR								
		Practition	ner(s) named below:						
ſ	<u> </u>	···		Registration				Registration	1
I	Name Number Name Number								
	Stephen E. Arnett 47,392 David P. Devlin 55,876								
Bret A. Bocchieri			• •	31,739	David B. [50,213	1
	•	er K. Carre	•	50,774	David T. [51,638	
		R. Colema		39,145	Leeann Gorthey			37,337	
- 1		•	Daley-Watson	34,807	Joseph P. Hamilton Paul L. Hickman		51,770		
- 1	Peter	r J. Dehling	jer	28,006	Paul L. Hi	ckman		28,516	
			ney(s) or agent(s) to pro and Trademark Office co			ed above, and to t	ransact all bu	siness in the Unite	ed De
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	I am the:								
	Applicant/Inventor.								
Assignee of record of the entire interest. See 37 CFR 3.71.									
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).									
SIGNATURE of Applicant or Assignee of Record									
Name D. Bart Eppenauer									
Signature V. M. W. S.									
	Date	•	June 11, 2	004		Telephone			
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.									
	х	*Total	of 1 form	s are submitted.					

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POWER OF ATTORNEY OR AUTHORIZATION **OF AGENT** (Supplemental Sheet)

Attorney Docket No.

418268834US

Steven S. Kelley Jonathan P. Kudla Steven D. Lawrenz Jacqueline F. Mahoney Shaalu Mehra Judy M. Mohr Chun M. Ng Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	3,904 3,449 7,724 7,376 8,390 4,934 8,563 6,878 1,646 8,264 3,273 4,675 5,592 5,828 3,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Steven S. Kelley Jonathan P. Kudla Steven D. Lawrenz Jacqueline F. Mahoney Shaalu Mehra Judy M. Mohr Chun M. Ng Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	3,449 7,724 7,376 8,390 4,934 8,563 6,878 1,646 8,264 3,273 4,675 5,592 5,828 3,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
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Steven D. Lawrenz Jacqueline F. Mahoney Shaalu Mehra Judy M. Mohr Chun M. Ng Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	7,376 8,390 4,934 8,563 6,878 1,646 8,264 3,273 14,675 15,592 15,828 13,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Jacqueline F. Mahoney Shaalu Mehra Judy M. Mohr Chun M. Ng Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	8,390 4,934 8,563 6,878 11,646 18,264 13,273 14,675 15,592 15,828 13,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Shaalu Mehra Judy M. Mohr Chun M. Ng Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	4,934 8,563 6,878 11,646 18,264 13,273 14,675 15,592 15,828 13,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Judy M. Mohr Chun M. Ng Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	8,563 6,878 11,646 8,264 13,273 14,675 15,592 15,828 13,575 11,086 15,769 17,953 17,953 17,994 11,364 12,216 13,985	
Chun M. Ng Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	6,878 11,646 18,264 13,273 14,675 15,592 15,828 13,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Kenneth H. Ohriner Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	11,646 18,264 13,273 14,675 15,592 15,828 13,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Paul T. Parker Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	8,264 3,273 44,675 55,592 5,828 3,575 61,086 15,769 17,953 17,994 41,364 12,216	
Maurice J. Pirio Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	13,273 14,675 15,592 15,828 13,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Aaron J. Poledna Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	44,675 55,592 55,828 33,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Rajiv P. Sarathy Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	5,592 5,828 3,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Michelle C. Sarruf Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	15,828 13,575 11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Tim R. Seeley Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	33,575 31,086 35,769 37,953 47,994 41,364 42,216 43,985	
Lauren C. Sliger Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	11,086 15,769 17,953 17,994 11,364 12,216 13,985	
Carina M. Tan Mark A. Thomas Larry W. Thrower Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	15,769 17,953 17,994 11,364 12,216 13,985	
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Glenn E. Von Tersch John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	11,364 12,216 13,985	
John M. Wechkin James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	12,216 13,985	
James A.D. White Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	13,985	
Michael J. Wise Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck		1
Robert G. Woolston James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	34,047	
James J. Zhu David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	37,263	
David Bartley Eppenauer Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	52,396	
Martin L. Shively Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	35,499	
Patricia E. Bornes Stacy Quan Jeffrey L. Ranck	33,553	
Stacy Quan Jeffrey L. Ranck	37,038	
Jeffrey L. Ranck	33,760	
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REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND **CHANGE OF CORRESPONDENCE ADDRESS**

JUL 0 2 2004

Application Number	10/777,732
Filing Date	February 12, 2004
First Named Inventor	Brent Gilbert
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	418268834US

i hereby revoke all previous powers of attorney given in the above-identified application.						
X A Power of Attorney is submitted herewith. OR I hereby appoint the practitioners associated with the Customer Number:						
Please change the correspondence address for the above-identified application to: The address associated with Customer Number: OR						
Firm <i>or</i> Individu	ıal Name					
Address						
City	City					
Country	State Zip					
Telephone Fax						
I am the: Applicant/Inventor. X Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)						
SIGNATURE of Applicant or Assignee of Record						
Name	D. Bart Eppenauer					
Signature	Signature					
Date	June 11, 2004		Telephone			
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.						
X *Total of1 forms are submitted.						

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STATEMENT	UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: Gilbert et al.					
Application No./Patent No.: 10/777,732	Filed/Issue Date: February 12, 2004				
Entitled: MANAGING GRAPHIC DATABASES					
Microsoft Corporation (Name of Assignee)	a Corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)				
states that it is:					
1. X the assignee of the entire right, title, and	interest; or				
2. an assignee of less than the entire right, title and interest.					
The extent (by percentage) of its owners					
in the patent application/patent identified above by	•				
A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, or for which a copy thereof is attached. OR					
	patent application/patent identified above to the current				
[] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:					
	To: nited States Patent and Trademark Office at , or for which a copy thereof is attached.				
2. From:	То:				
The document was recorded in the U	nited States Patent and Trademark Office at				
Reel , Frame	, or for which a copy thereof is attached.				
3. From:	To:				
	nited States Patent and Trademark Office at				
Reel , Frame	Reel , Frame , or for which a copy thereof is attached.				
[] Additional documents in the chain of tit	[] Additional documents in the chain of title are listed on a supplemental sheet.				
[] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]					
The undersigned (whose title is supplied below) is a	authorized to act on behalf of the assignee.				
June 11, 2004	D. Bart Eppenauer				
Date	ped or printed name				
Telephone Number	Signature				
	Assistant Corporate Secretary				
-	Title				